

CLOUD COMPUTING

PATHWAY



PATHWAY OVERVIEW

The Cloud Computing pathway helps students build knowledge and hands-on skills in computing, digital systems, problem solving, and technology innovation.

Through Introduction to Software Technology, Computer Science Principles OR AP Computer Science Principles, and Cloud Computing, students prepare for postsecondary education, industry credentials, and work-based learning experiences connected to the field.



CAREER CLUSTER

Digital Technology

COURSE SEQUENCE + WORK-BASED LEARNING

1

Introduction to Software Technology

Builds computational thinking and programming skills through algorithms, application design, debugging, and collaborative software projects.



2

Computer Science Principles OR AP Computer Science Principles

Explores computing systems, algorithms, data, networks, cybersecurity, programming, and the social impacts of technology.



3

Cloud Computing

Introduces cloud infrastructure, virtualization, storage, security, deployment, and support using contemporary cloud platforms.



Work-Based Learning (Capstone Experience)

Apply technical skills through internships, client projects, coding challenges, and workplace learning with technology partners.

LEADERSHIP + INDUSTRY CONNECTIONS

CAREER & TECHNICAL STUDENT ORGANIZATION



COMPETITION OPPORTUNITIES



- Coding & Programming
- Networking Infrastructures
- Computer Problem Solving
- Website Coding & Development
- Cyber Security
- Data Analysis

CHAPTER ACTIVITIES



- App or website challenge
- Coding sprint
- Chapter of the Year
- Digital portfolio
- Tech support service project
- Leadership conferences

CO-CURRICULAR / INDUSTRY EXPERIENCES



- AWS Certified Cloud Practitioner Fundamentals
- Industry tours
- Job shadowing
- Client projects
- Industry panel
- AWS Academy

SCHOOLS OFFERING THIS PATHWAY

Chattahoochee | Johns Creek

POSTSECONDARY OPPORTUNITIES

LOCAL / REGIONAL INSTITUTIONS



- Kennesaw State University
- Gwinnett Technical College
- Atlanta Technical College

DUAL ENROLLMENT



Metro-area dual enrollment options may include computer science, cybersecurity, programming, cloud computing, networking, web development, game design, artificial intelligence, or related technology coursework; verify through Georgia Futures.



CAREER OPPORTUNITIES

CAREERS

Cloud Support Associate

Cloud Engineer

DevOps Technician

ATLANTA-AREA EMPLOYERS

